

CLAIMS

- 1    1.    A roller stop for a sectional door having a plurality of hinged panels, rollers  
2        attached to the panels, and a pair of tracks receiving the rollers for guiding  
3        the sectional door between a closed vertical position and an open  
4        horizontal position, the roller stop comprising, a body portion, and at least  
5        one clamping member associated with said body portion adapted to  
6        engage one of the tracks, wherein said body portion is adapted to contact  
7        at least one of the rollers to temporarily maintain the sectional door in a  
8        predetermined position.
  
- 1    2.    A roller stop according to claim 1, wherein a first clamping member and  
2        a second clamping member are adapted to attach the roller stop to the  
3        tracks.
  
- 1    3.    A roller stop according to claim 2, wherein said first clamping member  
2        includes a first extension arm springingly related to a first opposed section,  
3        and said second clamping member includes a second extension arm  
4        springingly related to a second opposed section.
  
- 1    4.    A roller stop according to claim 3, wherein a first tab is provided in said  
2        first extension arm and a second tab is provided in said second extension  
3        arm, said first tab and said second tab adapted to crimpingly engage the  
4        tracks.
  
- 1    5.    A roller stop according to claim 1, wherein said body portion is ribbon-  
2        shaped and includes a concave portion interposed between a first convex  
3        portion and a second convex portion, said concave portion being adapted  
4        to receive the rollers.

- 1 6. A roller stop according to claim 5, wherein when the sectional door is  
2 located in said predetermined position, said first convex portion and said  
3 second convex portion are adapted to trap the rollers in said concave  
4 portion.
- 1 7. A sectional door system comprising, a sectional door having a plurality of  
2 adjacent panels hinged for moving between a closed substantially vertical  
3 position and a open substantially horizontal position, rollers attached to  
4 the panels, a pair of tracks for receiving and guiding said rollers, and a  
5 roller stop to temporarily hold the sectional door in a predetermined  
6 position.
- 1 8. A sectional door system according to claim 7, wherein said roller stop is  
2 attached to said tracks.
- 1 9. A sectional door system according to claim 7, wherein said tracks include  
2 vertical track portions and horizontal track portions, and said roller stop  
3 is attached to said horizontal track portions.
- 1 10. A sectional door system according to claim 7, wherein said roller stop  
2 includes a ribbon-shaped body, and a first clamping member and second  
3 clamping member extending outwardly from either end of said ribbon-  
4 shaped body, said ribbon-shaped body being adapted to trap said rollers.
- 1 11. A sectional door system according to claim 10, wherein said first clamping  
2 member and said second clamping member attach said roller stop to said  
3 tracks.

- 1 12. A sectional door system according to claim 11, wherein said first clamping  
2 member includes a first extension arm and a first opposed section and said  
3 second clamping member includes a second extension arm and a second  
4 opposed section.
- 1 13. A sectional door system according to claim 12, wherein a first tab is  
2 provided in said first extension arm and a second tab is provided in said  
3 second extension arm, said first tab and said second tab being crimped to  
4 engage said tracks.
- 1 14. A sectional door system according to claim 7, wherein said roller stop has  
2 a ribbon-shaped body including a concave portion interposed between a  
3 first convex portion and a second convex portion, said concave portion  
4 being adapted to receive said rollers.
- 1 15. A sectional door system according to claim 14, wherein when said  
2 sectional door is located in said predetermined position, said rollers are  
3 trapped between said first convex portion and said second convex portion  
4 proximate said concave portion.
- 1 16. A method for temporarily positioning hinged panels of a sectional door for  
2 a building opening in a substantially horizontal open position, comprising  
3 the steps of;  
4 moving the sectional door by transitioning the panels along tracks  
5 from a substantially vertical closed position toward the substantially  
6 horizontal open position;

7           displacing the door in the tracks to said substantially horizontal  
8           open position where the door does not hang down into the building  
9           opening; and  
10           temporarily restraining the door in said substantially horizontal  
11           open position without hang down into the building opening.

1   17.   A method for temporarily positioning hinged panels of a sectional door  
2           according to claim 16, wherein said step of displacing the door in the  
3           tracks includes the step of overcoming the counterbalance force tending  
4           to return the door to a hang down position.

1   18.   A method for temporarily positioning hinged panels of a sectional door  
2           according to claim 16, wherein said step of temporarily restraining the  
3           door in the substantially horizontal open position includes the step of  
4           counteracting the counterbalance force tending to return the door to a  
5           hand down position.

1   19.   A sectional door system comprising, a sectional door having a plurality of  
2           adjacent panels hinged for moving between a closed substantially vertical  
3           position and a open substantially horizontal position, rollers attached to  
4           the panels, a pair of tracks for receiving and guiding said rollers, and stop  
5           means for temporarily holding said sectional door in a predetermined  
6           position.

1   20.   A sectional door system according to claim 19, wherein said stop means  
2           includes a body portion having a concave portion interposed between a  
3           pair of convex portions serving to restrain travel of said rollers.

- 1 21. A sectional door system according to claim 19, wherein said stop means  
2 includes means for attaching said stop means to said tracks.
- 1 22. A sectional door system according to claim 21, wherein said means for  
2 attaching said stop means to said tracks includes at least one clamping  
3 member.